

L^*/L^*_u CIELABn1 relative Normhelligkeit L^*/L^*_n $Y_{nc} = L^*_w \text{RGB}_{nc} = 100, 52, 87, 31$ L^*/L^*_u

3

 $L^*_{\text{CIELABn1}} = 116(Y/Y_n)^{1/3,0} - 16 \quad (Y_n = 100, Y_{nc}/100 < Y \leq Y_{nc})$ $L^*_N(3,6) = 23, L^*_u(18) = 50, L^*_w(90) = 96$

2

 $L^*_{90}/L^*_u = 1,93, \gamma = 3,0, 1/\gamma = 1/3,0 = 0,33$ $L^*_{18}/L^*_u = 1,00, S_n = 115,49, D_n = -15,49$ $L^*_{3,6}/L^*_u = 0,45, L^*_n = 49,71, Y_n = 18$

1

Anwendungsbereich

 $L^*/L^*_u = 1, m_u = -0,25$

10

1

 $Y_u = 18$

100

Y

 $L^*_u = 49, L^*_n = 50$

0

 $Y_N = 3,6$

1

2

 $Y_w = 90$

log(Y)